USER'S GUIDE

RCA

COLOR TV

SAFETY INFORMATION

WARNING
RISK OF ELECTRIC SHOCK DO NOT OPEN

To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

⚠ This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

⚠ This symbol indicates important instructions accompanying the product.

WARNING
To reduce the risk of fire or shock hazard, do not expose this TV to rain or moisture.

Caution: To reduce the risk of electric shock, match wide blade of plug to wide slot, fully insert.
Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqü au fond.

- Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.
- FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

THOMSON CONSUMER ELECTRONICS
10330 North Meridian Street
Indianapolis, IN 46290

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CREATING A GREENER FUTURE

Created a Greener Future
THOMSON CONSUMER ELECTRONICS

At Thomson Consumer Electronics we are dedicated to the preservation of our natural heritage and to a healthy and safe way of life for current and future generations. This is a global effort which encompasses every THOMSON facility throughout the world.

We believe that clean air, clean water, a protected earth, and healthy people are not only practical and desirable goals, but achievable ones as well. Our Corporate Environmental, Health and Safety Charter acknowledges our commitment to protect these precious assets and provides a challenging vision and guideline for conducting our business. Below are a few examples of Thomson's achievements in our efforts to preserve our natural resources.

The Earth

Thomson reclaims millions of pounds of hazardous waste annually diverting it from landfills.

Thomson treats millions of pounds of waste water sludge annually and renders it nonhazardous.

Thomson recycles over 50 million pounds of nonhazardous material annually that otherwise would have been treated as trash, an overall recovery rate of 50%.

Thomson globally recycles millions of pounds of broken picture tube glass through both internal and external processes annually.

The Air

Thomson has replaced solvent based paints at many locations resulting in an 80% reduction in toxic air emissions for equivalent material used.

Thomson has eliminated the use of ozone depleting substances at television manufacturing facilities around the world.

Thomson is collecting and returning over 1.5 million pounds of air pollution control dust to the glass making process annually.

Thomson has launched worldwide energy savings programs which contribute to global efforts to reduce air emissions from electrical generating facilities.

The Water

Thomson recovers over 2 million pounds of fine glass particles from process water each year and recycles them back into its glass furnaces.

Thomson's state-of-the-art waste water treatment plants filter out over 26 million pounds of solids from process water each year.

Thomson's US glass factory recycles 2,500 gallons of water per minute and cleans 2.6 million gallons of water per day.

Thomson is researching new processes and is developing new manufacturing equipment and technologies to further reduce large volume water use.

Thomson has also increased its usage of recycled materials for packaging of our products. For example, in the U.S. and Mexico our television plants use recycled content in our television cartons and instruction booklets. The inks used for the print on cartons and instruction booklets are soy based. For a free brochure regarding Thomson's Environmental Health and Safety Programs, write to Thomson Consumer Electronics 10330 N. Meridian, Indianapolis, IN 46290, attention Environmental Programs: INH340.

1. FIRST THINGS FIRST

STEP 1

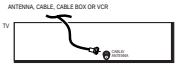
Unpack the TV and accessories. The accessories packed with the TV include a remote, two AAA batteries, an antenna and an antenna adapter.

IMPORTANT INFORMATION: OPTIONAL STAND

CAUTION: If you choose to use a stand with your TV, take precautions that the stand or other furniture the TV is placed on is properly located and of adequate size and strength to prevent the TV from accidentally being tipped over or pulled off. This could cause damage to the TV and or personal injury.

STEP 2:

Connect your TV. This is a basic connection from an antenna, cable box, or VCR to your TV. Connect the cable from your cable system or off-air antenna to the cable-in jack on the back of the TV, as shown.



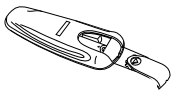
STEP 3:

Plug in the TV. Plug the end of the power cord into the wall outlet, matching the wide blade of the plug with the wide slot in the outlet. Be sure to insert the plug completely.

STEP 4

Put batteries in the remote.

- Remove the battery compartment cover from the back of the remote.
- Insert the two AAA batteries as shown, matching the + and – ends of each battery in the compartment.
- Replace the cover.



STEP 5

Turn on the TV.

- Press TV on the remote.

Read the next section, *Using the Menu System*, which is a brief overview of the basic rules for getting around in the menus using the remote or TV's front control panel.

2. USING THE MENU SYSTEM

THE MENU RULE: POINT AND SELECT

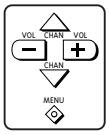
You only need to know one rule to use the on-screen menus and control panels: point and select.

WHAT IS POINT AND SELECT?

The point and select method has two steps.

1. Point to a menu item using the MOVE arrows on the remote. (The CHAN/VOL buttons on the remote.)
2. Select a menu item by pressing MENU.

Selecting an item tells the TV's menu system to go ahead and make the change or go to a place you have indicated. (You can also select an item by pressing the corresponding number button on the remote.)



Once you know how to point and select your way through the menus, you can apply this rule in the menu control panels, which do the real work in the menu system.

3. TOUR OF THE MENU SYSTEM

TV MAIN MENU

The Main menu is your gateway to controlling the TV. It lets you adjust the TV's audio, picture quality, screen, time functions and channel settings.

```
TV MAIN MENU
1 Audio…
2 Picture Quality…
3 Screen…
4 Channel…
5 Time…
0 Exit
```

To select any other menu item:

1. Press MENU to bring up the TV's Main menu.
2. Point to any menu item by pressing the up and down arrows until the item is highlighted in green.
3. Press MENU to select the item and a new menu comes up.

To exit any menu screen, point to *Exit* and press MENU, or press CLEAR.

THE AUDIO MENU

The Audio menu lets you adjust the way the TV sounds.

```
Audio
1 Mute:                OFF
0 Exit
```

Mute Turns off the TV's sound. Press MENU to toggle the Mute feature between ON and OFF.

THE PICTURE QUALITY MENU

The Picture Quality menu contains the controls that adjust the TV's picture.

```
Picture Quality
1 Contrast        <……|……>
2 Color           <……|……>
3 Tint            <……|……>
4 Black Level     <……|……>
5 Sharpness       <……|……>
6 Auto Color:          ON
7 Reset Picture Controls
0 Exit
```

There are five slider controls for adjusting the way the picture looks. Use the left and right arrow buttons to adjust the controls.

Contrast Adjusts the difference between light and dark areas of the picture.

Color Adjusts the richness of the color.

Tint Adjusts the balance between the red and green levels.

Black Level Adjusts the brightness of the picture.

Sharpness Adjusts the crispness of edges in the picture.

Auto Color Displays the current setting (ON or OFF). This feature automatically corrects the color of the picture. Select *Off* if you prefer to adjust the picture with the Picture Controls. Use the MENU button to toggle between the choices.

Reset Picture Controls Resets the picture controls to their original settings.

THE SCREEN MENU

The Screen menu contains the controls that let you adjust the Closed-Caption mode, Closed-Caption display and menu language.

```
Screen
1 CC Display:          OFF
2 CC Mode:             CC1
3 Menu Language:   ENGLISH
0 Exit
```

Closed-Caption Display Displays a choice list that lets you choose the way closed captioning information is shown on the screen. Use the MENU button to toggle between the choices.

Off No captioning information displayed.

On Captioning information shown always, when available.

On When Sound is Muted Displays captioning information, when available, whenever you press the MUTE button. The captioning information is not displayed when the sound is not muted.

Closed-Caption Mode Displays a choice list that lets you choose which captioning mode is used for displaying captioning information. Use the MENU button to toggle between the choices: CC1 and CC2.

Menu Language Lets you select the language of your choice: English, French or Spanish. Use the MENU button to toggle between the choices.

THE CHANNEL MENU

The Channel menu contains all the commands used to control your channels, including custom-building your channel list and setting parental controls.

```
Channel
1 Signal Type:        ANTENNA
2 Auto Channel Search
3 Lists and Labels…
4 Parental Control:       OFF
0 Exit
```

Signal Type Displays a choice list that lets you select the current antenna type.

Antenna Choose this if you are currently using an off-air antenna for UHF/VHF TV signals.

Cable TV Choose this if you are currently using cable or a cable box for TV signals.

Auto Channel Search Displays a control panel that lets you tell the TV to search automatically for all the channels available through the antenna input. When the TV finds an active channel, it places it in the channel list; inactive channels (weak stations or channels with no signal at all) will be removed from the channel list.

Lists and Labels Displays a control panel that lets you custom-build your channel scan list, choose a four-character label for each channel, and decide whether each channel is "parent-approved." Use the up, down, left and right arrows to enter settings and create labels. Press MENU to exit.

```
Lists and Labels
Chan Chan    Scan    Parent
 #   Label   List   Approved
013  NBC     YES     YES

Press MENU to exit
```

Chan # Use the up and down arrows to scroll up and down through the channel scan list. You can enter the channel number directly using the number buttons.

Chan Labels Use the up and down arrows to enter a four-character label for each channel.

Scan List Only the channels included in the Scan list are available when you scan up and down using the CHAN buttons. Use the up and down arrows to indicate whether the channel number indicated is included (YES) or is not included (NO) in the channel scan list.

Parent Approved Use the up and down arrows to choose whether the channel indicated should be shown when the Parental Control feature is turned on. Select YES to indicate that the channel can be shown at any time, regardless of whether Parental Control is turned on. Select NO to indicate that the front panel cannot tune to that channel when Parental Control is turned on. Important: You must turn the Parental Control feature ON in the Parental Control control panel.

Parental Control Displays a choice list that lets you adjust the Parental Control feature.

On The front panel CHAN buttons will tune only to channels that you have marked as "Parent Approved" in the Lists and Labels control panel. Important: When Parental Control is on, the TV's front panel no longer provides access to the menus. Parents may prefer to hide the remote and let children use the front panel to change channels.

Off The TV shows all channels, whether they are marked as "Parent Approved" or not.

THE TIME MENU

The Time menu contains the controls that let you set the time and schedule the TV to turn off and on at specific times.

```
Time
1 Sleep Timer…
2 Schedule…
3 Set Time…
0 Exit
```

Sleep Timer Displays a control panel that lets you select the amount of time you want to give the TV before it shuts itself off. Use the up and down arrows to increase or decrease the sleep timer by 15 minute increments. Press MENU to exit.

```
Sleep Timer
TV off in --:--:--
Press ↕ to adjust timer
Press MENU to exit
```

Schedule Displays a control panel that lets you set up a schedule for turning the TV on and off automatically. Make sure to turn the schedule On in the control panel. Use the up and down arrows and number buttons to change the settings. Use the left and right arrows to move across the control panel. You must first set the clock to use the scheduling feature.

```
Schedule
Chan Chan    Star…   Sto…   On/Off
013  04:20PM  06:15PM      ON

Press MENU to exit
```

Set Time Displays a control panel that lets you enter the current time. Use the up and down arrows and number buttons to set the time. Press MENU to exit

```
Set Time
          --:-- AM
          ↕
Press MENU to exit
```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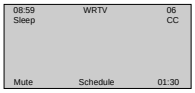
CHANNEL MARKER

There are several indicators that come up when you change channels or press the DISPLAY button. This display is called the Channel Marker. The Channel Marker shown below is just an example of what your screen may look like.



08:59 Displays the current time.

WRTV Displays the label assigned to the current channel.

06 Displays the current channel.

Sleep Displayed when the Sleep Timer has been set.

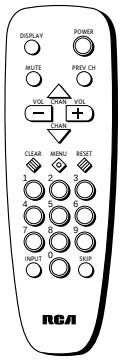
CC Displayed when Closed Captioning is available on the current channel.

Mute Displayed when you mute the audio.

Schedule Displayed when the TV is scheduled to turn on.

01:30 Displayed to count down time left on the commercial skip (SKIP) timer.

TOUR OF THE REMOTE



REMOTE BUTTONS

POWER Turns the TV on and off.

DISPLAY Brings up channel information. Press repeatedly to see detailed program information, if available.

MUTE Turns off the TV's sound. Press again to restore the sound.

PREV CH Returns you to the previous channel.

VOL – or VOL + Decreases or increases the TV's volume. Also used as left and right arrows.

CHAN ^ or CHAN v Scans up or down through the current channel list. Press once to change the channel up or down; press and hold to continue changing channels. Also used as up and down arrows.

CLEAR Removes any menu or display from the screen and returns you to TV viewing. Also cancels SKIP timer.

MENU Brings up the Main menu. When in the menu system, selects highlighted items or returns you to the previous menu.

RESET Returns all picture quality controls to their original settings.

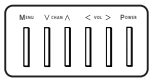
(0-9) Number Buttons Enters channel numbers and time settings directly though the remote control. To enter a two-digit channel, press the two digits. To enter a three-digit channel, press and hold the first digit, then add the second two. Example: to tune to channel 123, press and hold 1, press 2, then press 3.

INPUT (on some models) Press to toggle through the available input sources (CH3, CH4, etc.).

SKIP Press once before changing channels and the TV will wait 30 seconds before returning you to the original channel. Press repeatedly to add more time. Press CLEAR to cancel the SKIP timer and remain on the current channel.

TOUR OF THE TV

FRONT PANEL



VOL < Decreases the volume. When in the menu system, VOL < is used to point left to items and adjust menu controls.

VOL > Increases the volume. When in the menu system, VOL > is used to point right to items and adjust menu controls.

CHAN ^ Scans up through the channel list. In the menu system, it points up to items and adjusts menu controls.

CHAN v Scans down through the current channel list. In the menu system, it points down to items and adjusts menu controls.

MENU Brings up the Main menu. When in the menu system, it selects highlighted items. Also returns you to the previous menu.

If you turn Parental Control on, the front panel no longer provides access to the menus. For more information, see *Parental Control* in the Channel menu on the back side of these instructions.

POWER Turns the TV on and off.

The front panel shown is a typical button layout. The exact look of the buttons may be different from those on the front of your TV.

ADVANCED FEATURES

ON-SCREEN PROGRAM DETAILS

Program providers have the option of sending information through the airwaves along their programs. If this information is available, the TV can display it up when you press DISPLAY on the remote. To display the on-screen program details:

1. Press DISPLAY once to bring up the channel marker.
2. Press DISPLAY again to bring up the program title, the program's length, elapsed time and other program details such as the story line and whether Closed-Captioning is available.
3. Press DISPLAY again to clear the screen.

Whether all (or any) of the program details are displayed depends on whether the program provider has sent the information along with the program.

CLOSED CAPTIONING

Many programs are encoded with closed-captioning information, which lets you display the audio portion of a program as text on the TV screen. You can tell the TV to display closed captioning: a) never, b) whenever it is available, or c) whenever the MUTE button is pressed.

The TV offers two closed-captioned modes. Select CC1 for full translation of the primary language in your area. Select CC2 for secondary language translation, simplified English, or whatever is being broadcast in your area.

Closed captioning is not available on all channels at all times. Only specific programs encoded with closed-captioning information are applicable. When a program is closed captioned, the letters CC are displayed in the channel marker.

CARE AND CLEANING

You can clean the TV as required, using a soft cloth or the dusting attachment for your vacuum cleaner. Be sure to occasionally vacuum the ventilation slots in the cabinet to help assure adequate ventilation.

To clean the TV screen, use a diluted soap and water mixture and a soft cloth. Do not use furniture polish on the TV cabinet or screen.

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV. Also, avoid placing drinks or vases with water on top of the TV. This could cause damage to the TV.

Caution: If fixed (non-moving) images are left on the screen for long periods, they may be permanently imprinted on the screen. Such images include network logos, phone numbers, and video games. Extended viewing of channels displaying these images should be avoided.

TROUBLESHOOTING

Troubles sometimes are caused by simple "faults" that you can correct without the help of a service technician. If you experience any difficulty with your TV, check a few basic remedies before calling your service technician.

TV WILL NOT TURN ON OR CONTROLS DON'T WORK

- Check to make sure it is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Try unplugging set for two minutes and then plug it back in and turn it on again.

PROBLEMS WITH REMOTE

- Maybe something is between the remote and the remote sensor.
- Maybe the remote is not aimed directly at the TV's remote sensor.
- Maybe remote batteries are weak, dead or installed incorrectly. Try replacing batteries correctly.
- Remove batteries and hold down one or more buttons for several seconds. Install the batteries and try remote.

TURNS ON OR OFF WHILE PLAYING

- Schedule function may have been activated.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn on again. If this happens frequently, the voltage in your house may be abnormally high.

SCHEDULE DOES NOT TURN OFF THE TV AT THE SET TIME

- Check schedule on/off function (it must be set to On).
- Check to make sure clock is set to the correct time.

BLANK SCREEN OR BLACK BOX APPEARS ON THE SCREEN

- Try another channel.
- Press RESET, in case the picture controls are set too low.
- Captioning may be turned on. Check the Closed-Caption Display control panel in the Channel menu.

NO SOUND, PICTURE OKAY

- Maybe sound is muted. Try pressing volume up button to restore sound.

NO PICTURE, NO SOUND BUT POWER LIGHT IS ON

- Maybe cable/air function is in wrong position.
- Maybe a vacant channel is tuned.
- If watching VCR, make sure TV is tuned to channel 3 or 4 – same as CH3/4 switch on VCR. Also check to make sure TV/VCR switch on VCR is in correct position.

SOUND OKAY, PICTURE POOR

- Check antenna connections.
- Try adjusting sharpness function to improve weak signals.

LIMITED WARRANTY

WHAT YOUR WARRANTY COVERS:

- Any defect in materials or workmanship.

FOR HOW LONG AFTER YOUR PURCHASE:

- 90 days for labor charges.
- One year for parts.
- Two years for picture tube.

(The warranty period for rental units begins with the first rental.)

WHAT WE WILL DO:

- Pay any Authorized RCA Television Servicenter the labor charges to repair your television.
- Pay any Authorized RCA Television Servicenter for the new or, at our option, refurbished replacement parts and picture tube required to repair your television.

HOW YOU GET SERVICE:

- For screen sizes of 20" and smaller: Take your RCA television to any Authorized RCA Television Servicenter.
- For screen sizes larger than 20": Request home service from any Authorized RCA Television Servicenter.
- To identify your nearest Authorized RCA Television Servicenter, ask your dealer, look in the Yellow Pages, or call 1-800-336-1900.
- Show the service technician your evidence of purchase date or first rental.

WHAT YOUR WARRANTY DOES NOT COVER:

- Customer instruction. (Your Owner's Manual clearly describes how to install, adjust, and operate your television. Any additional information should be obtained from your dealer.)
- Installation and related adjustments.
- Signal reception problems not caused by your television.
- Damage from misuse or neglect.
- Batteries.
- Images burnt onto the screen.
- A television that has been modified or incorporated into other products or is used for institutional or other commercial purposes.
- A television purchased or serviced outside the USA.
- Acts of God, such as but not limited to lightning damage.

PRODUCT REGISTRATION:

- Please complete and mail the Product Registration Card packed with your television. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

HOW STATE LAW RELATES TO THIS WARRANTY:

- This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

IF YOU PURCHASED YOUR PRODUCT OUTSIDE THE USA:

- This warranty does not apply. Contact your dealer for warranty information.

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